

## COUNTY SURVEYOR'S STATEMENT:

THIS MAP HAS BEEN EXAMINED IN ACCORDANCE WITH SECTION 8766 OF THE PROFESSIONAL LAND SURVEYOR'S ACT THIS 14TH DAY OF DECEMBER, 2011.

*John S. Parrish*  
JOHN S. PARRISH, L.S. NO. 5050  
COUNTY SURVEYOR



## BASIS OF BEARINGS:

THE BASIS OF BEARINGS FOR THIS RECORD OF SURVEY IS THE CALIFORNIA COORDINATE SYSTEM, NAD83 (CCS83) [2002.00 EPOCH], STATE PLANE GRID ZONE 3, AS DERIVED FROM THE CONTINUOUSLY OPERATING GPS (CGPS) STATIONS P135, P136, AND P654. POSITIONS FOR SAID CGPS STATIONS WERE DERIVED VIA THE NATIONAL GEODETIC SURVEY'S (NGS) ONLINE POSITIONING USER SERVICE (OPUS). TWENTY FOUR HOUR DATA SETS FOR EACH OF THESE CGPS SITES WERE SUBMITTED TO OPUS FOR DAYS 124 (MAY 4, 2010), 125 (MAY 5, 2010), AND 126 (MAY 6, 2010). THE THREE POSITIONS RETURNED VIA OPUS FOR EACH STATION WERE THEN AVERAGED AND HELD AS FIXED CONTROL. THE STANDARD DEVIATION OF THE MEAN FOR THE POSITION OF EACH STATION, AS DERIVED FROM THE NGS OPUS STANDARD DEVIATIONS ON EACH INDIVIDUAL RETURNED POSITION, ARE AS FOLLOWS:

	HORIZONTAL	VERTICAL
P135	+/-0.04'	+/-0.07'
P136	+/-0.05'	+/-0.05'
P654	+/-0.02'	+/-0.06'

THIS BASIS OF BEARINGS IS SHOWN LOCALLY HEREON BY THE SOUTH LINE OF THE SOUTHEAST 1/4 OF SECTION 11, BETWEEN STATIONS 540500 AND 600500, SAID LINE HAVING A GRID BEARING OF N88°05'06"E.

CONVERGENCE: GEODETIC AZIMUTH = GRID AZIMUTH + 0°39'39"

ALL BEARINGS SHOWN HEREON ARE GRID BEARINGS WITH THE EXCEPTION OF RECORD BEARINGS, WHICH ARE ALL TRUE NORTH BEARINGS.

## BASIS OF COORDINATES:

THE BASIS FOR THE COORDINATES ON THIS RECORD OF SURVEY IS THE CCS83 (2002.00 EPOCH), ZONE 3, AS DETERMINED LOCALLY BY DIRECT GPS DUAL FREQUENCY STATIC TIES TO CGPS STATIONS P135, P136, AND P654 USING POSITIONS FOR SAID CGPS STATIONS DERIVED AS DESCRIBED ABOVE. SAID POSITIONS FOR SAID STATIONS ARE PART OF THE CALIFORNIA SPATIAL REFERENCE NETWORK (CSRN) IN THAT THEY MEET ALL OF THE REQUIREMENTS OF SECTION 8857 OF THE CALIFORNIA PUBLIC RESOURCES CODE (CPRC). THE OPUS DERIVED HORIZONTAL ACCURACIES ON THESE STATIONS MEET OR EXCEED THE FEDERAL GEOGRAPHIC DATA COMMITTEE (FGDC) 2-CENTIMETER ACCURACY CLASSIFICATION PER FGDC-STD-007.2-1998. SAID OPUS DERIVED POSITIONS FOR SAID CGPS STATIONS WERE HELD "FIXED" IN THIS SURVEY.

NO CPRC SECTION 8813.2 ACCURACY IS CLAIMED FOR THE COORDINATE POSITIONS DERIVED IN THIS SURVEY. HOWEVER, ALL FOUND MONUMENTS WERE TIED DIRECTLY TO THE THREE CONTROLLING CGPS STATIONS AS WELL AS TO AT LEAST TWO ONSITE CONTROL STATIONS USING DUAL FREQUENCY STATIC, POST-PROCESSED GPS, RESULTING IN A LOCAL NETWORK 95% CONFIDENCE OF ±0.15 FOOT (±4.6 CM) FOR THOSE STATIONS. THIS NETWORK ACCURACY EXCEEDS THAT SPECIFIED IN THE U.S. FOREST SERVICE'S "STANDARDS AND GUIDELINES FOR CADASTRAL SURVEYS USING GLOBAL POSITIONING SYSTEM METHODS", WHICH REQUIRES A LOCAL ACCURACY 95% CONFIDENCE ON CADASTRAL MEASUREMENTS OF LESS THAN ±0.33 FOOT (±10 CM).

## SCALE FACTOR:

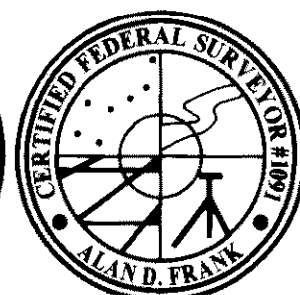
DISTANCES SHOWN HEREON ARE GROUND DISTANCES, UNLESS NOTED "GRID", WHICH INDICATES STATE PLANE GRID DISTANCES, SHOWN IN U.S. SURVEY FEET. TO OBTAIN GRID DISTANCES COMMENSURATE WITH STATE PLANE COORDINATES, MULTIPLY THE GROUND DISTANCES BY A COMBINED FACTOR (CF) OF 0.99963. THIS CF WAS COMPUTED AT THE SOUTH 1/4 CORNER OF SECTION 11, STATION 540500, AT AN ELEVATION OF 7473 FEET.

$$\text{GRID DISTANCE} = \text{GROUND DISTANCE} \times 0.99963$$

## SURVEYOR'S STATEMENT:

THIS MAP CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECTION IN CONFORMANCE WITH THE REQUIREMENTS OF THE PROFESSIONAL LAND SURVEYOR'S ACT AT THE REQUEST OF THE USDA, FOREST SERVICE, FROM MAY 2010 THROUGH JULY 2011.

*Alan D. Frank* 12/15/2011  
ALAN D. FRANK, L.S. NO. 7172 CFEDS 1091



## RECORD OF SURVEY No. 32-88

IN THE UNINCORPORATED TERRITORY OF THE COUNTY OF MONO, STATE OF CALIFORNIA,  
BEING SECTIONS 4, 9, 10, AND 11, TOWNSHIP 6 NORTH, RANGE 23 EAST,  
MOUNT DIABLO MERIDIAN

JOHNSON-FRANK & ASSOCIATES, INC.  
ALAN D. FRANK, PLS - JULY 2011

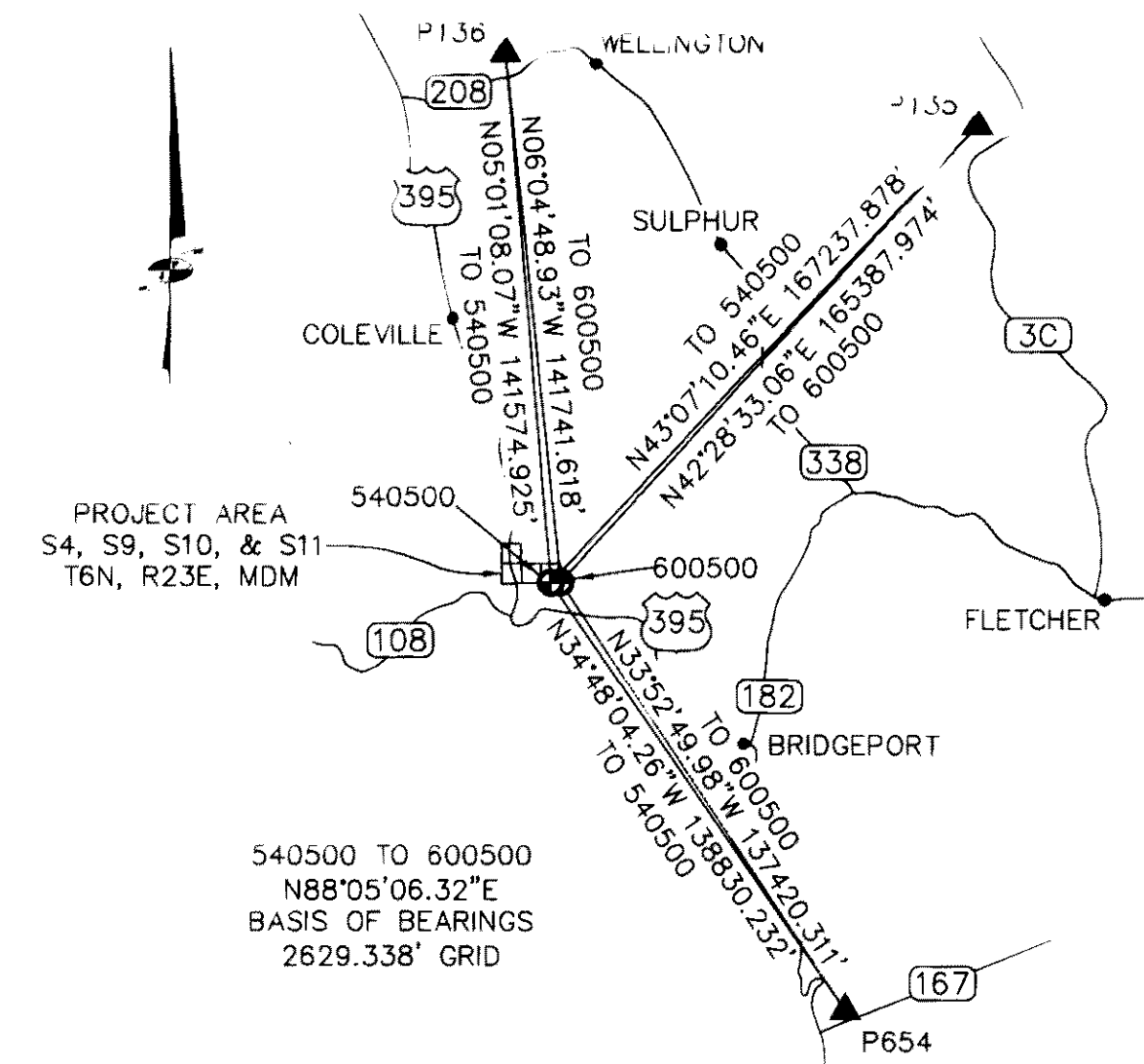
## HISTORY OF SURVEYS AND BOUNDARY DISCUSSION:

PAST SURVEY EFFORTS IN THIS PROJECT AREA CONSIST OF THE ORIGINAL GOVERNMENT SURVEY, ONE DEPENDENT GOVERNMENT RESURVEY, AND THREE PRIVATE SURVEYS OF RECORD. THESE SURVEYS ARE LISTED BELOW FOR REFERENCE.

- R1) ORIGINAL SURVEY PLAT AND NOTES, T6N, R23E, MDM, APPROVED BY THE U.S. SURVEYOR GENERALS OFFICE ON MARCH 12, 1877
- R2) RECORD OF SURVEY NO. 32-23, RECORD OF SURVEY MAPS BOOK 1, PAGE 98, FILED JUNE 12, 1984, AS INSTRUMENT NO. 8933
- R3) UNRECORDED PARCEL MAP NO. 32-58 DATED MAY 20, 2010
- R4) RECORD OF SURVEY NO. 31-61, RECORD OF SURVEY MAPS BOOK 4, PAGE 96, FILED APRIL 4, 2011, AS INSTRUMENT NO. 2011002251
- R5) DEPENDENT RESURVEY, T7N, R23E, MDM, APPROVED BY THE CHIEF CADASTRAL SURVEYOR - CALIFORNIA, U.S. DEPARTMENT OF THE INTERIOR, BUREAU OF LAND MANAGEMENT, ON NOVEMBER 8, 1989
- R6) RECORD OF SURVEY NO. 32-87, RECORD OF SURVEY MAPS BOOK 5, PAGE 11, FILED DECEMBER 21, 2011, AS INSTRUMENT NO. 2011006826 (RSMB 5/11)

IN RETRACING THE FOUR SECTIONS SHOWN HEREON, WE FOUND THAT THE SURVEYS OF RECORD ARE GENERALLY TRUE AND CORRECT AS FILED, AND GENERALLY AGREE WITH ONE ANOTHER. WE DID NOT FIND ANY MAJOR DISCREPANCIES OR ENCROACHMENTS TO NATIONAL FOREST SYSTEM LANDS THOROUGHOUT THIS AREA.

STATION	LATITUDE	LONGITUDE	(U.S. SURVEY FEET)		STATION
			NORTHING	EASTING	
1114	38-22-50.2315	119-26-31.2220	2326906.30	6864949.92	1114
1125	38-22-24.8529	119-26-16.6774	2324352.25	6866137.16	1125
300500	38-22-23.5180	119-27-59.6836	2324125.39	6857936.08	300500
300540	38-22-50.4358	119-27-59.6838	2326848.26	6857905.99	300540
300600	38-23-17.3535	119-27-59.6841	2329571.13	6857875.90	300600
300640	38-23-43.2832	119-27-59.9313	2332193.85	6857827.26	300640
300700	38-24-09.0962	119-28-00.1775	2334804.76	6857778.83	300700
340500	38-22-24.0735	119-27-26.0446	2324211.29	6860614.20	340500
340520	38-22-37.1268	119-27-26.3152	2325531.46	6860577.94	340520
340600	38-23-16.6850	119-27-27.1357	2329532.24	6860468.03	340600
340700	38-24-08.5443	119-27-27.8612	2334777.46	6860351.84	340700
360520	38-22-37.2006	119-27-09.5905	2325553.80	6861909.61	360520
360540	38-22-50.0506	119-27-09.9531	2326853.31	6861866.20	360540
360560	38-23-03.2002	119-27-10.4073	2328183.06	6861815.15	360560
360600	38-23-16.3498	119-27-10.8615	2329512.80	6861764.10	360600
360600WC	38-23-16.3391	119-27-10.3350	2329512.19	6861806.03	360600WC
360620	38-23-29.3761	119-27-11.0727	2330830.30	6861732.55	360620
360620WC	38-23-29.3516	119-27-09.8176	2330828.94	6861832.49	360620WC
400500	38-22-24.6272	119-26-52.4113	2324297.28	6863291.86	400500
400540	38-22-49.9204	119-26-53.3203	2326855.00	6863190.72	400540
400560	38-23-02.9672	119-26-53.9538	2328174.18	6863125.44	400560
400600	38-23-16.0140	119-26-54.5874	2329493.36	6863060.17	400600
400620	38-23-29.0608	119-26-54.8277	2330812.90	6863026.20	400620
400640	38-23-42.1075	119-26-55.0681	2332132.43	6862992.24	400640
400700	38-24-07.9923	119-26-55.5451	2334750.39	6862924.85	400700
420500	38-22-24.7281	119-26-36.3151	2324321.92	6864573.51	420500
420540	38-22-50.1461	119-26-37.2499	2326892.24	6864470.05	420540
440500	38-22-24.8283	119-26-20.2190	2324346.57	6865855.16	440500
440540	38-22-50.3711	119-26-21.1795	2326929.48	6865749.39	440540
440560	38-23-03.2457	119-26-21.6636	2328231.37	6865696.07	440560
440600	38-23-16.1203	119-26-22.1479	2329533.26	6865642.76	440600
460500	38-22-24.9283	119-26-04.1266	2324371.24	6867136.50	460500
460520	38-22-37.7645	119-26-04.4688	2325669.37	6867094.47	460520
460540	38-22-50.5997	119-26-04.8117	2326967.40	6867052.39	460540
460560	38-23-03.3987	119-26-05.1776	2328261.75	6867008.52	460560
460600	38-23-16.1976	119-26-05.5434	2329558.09	6866964.66	460600
500500	38-22-25.0276	119-25-48.0343	2324395.91	6868417.85	500500
500520	38-22-37.9277	119-25-48.2391	2325700.62	6868386.62	500520
500540	38-22-50.8277	119-25-48.4440	2327005.33	6868355.39	500540
500560	38-23-03.5509	119-25-48.6915	2328292.13	6868320.97	500560
500600	38-23-16.2742	119-25-48.9390	2329578.92	6868286.55	500600
520500	38-22-25.3047	119-25-31.4329	2324439.09	6869739.52	520500
520520	38-22-38.2046	119-25-31.6631	2325743.76	6869706.20	520520
520560	38-23-03.6545	119-25-32.1397	2328317.70	6869638.70	520560
520600	38-23-16.2044	119-25-32.3860	2329586.96	6869604.51	520600
540500	38-22-25.5811	119-25-14.8315	2324482.26	6871061.19	540500
540600	38-23-16.1340	119-25-15.8331	2329595.00	6870922.47	540600
560500	38-22-25.8652	119-24-58.3271	2324526.19	6872375.13	560500
600500	38-22-26.1487	119-24-41.8226	2324570.12	6873689.06	600500
600540	38-22-51.9314	119-24-42.2445	2327177.76	6873625.13	600540
P135	38-42-16.6215	119-00-55.2827	2446554.01	6985372.15	P135
P136	38-45-40.9047	119-27-30.6405	2465514.37	6858675.58	P136
P654	38-03-28.5485	119-09-00.6265	2210483.56	6950295.84	P654

CONTROL SCHEME  
& VICINITY MAP

SCALE: APPROX.  
1"=50,000'